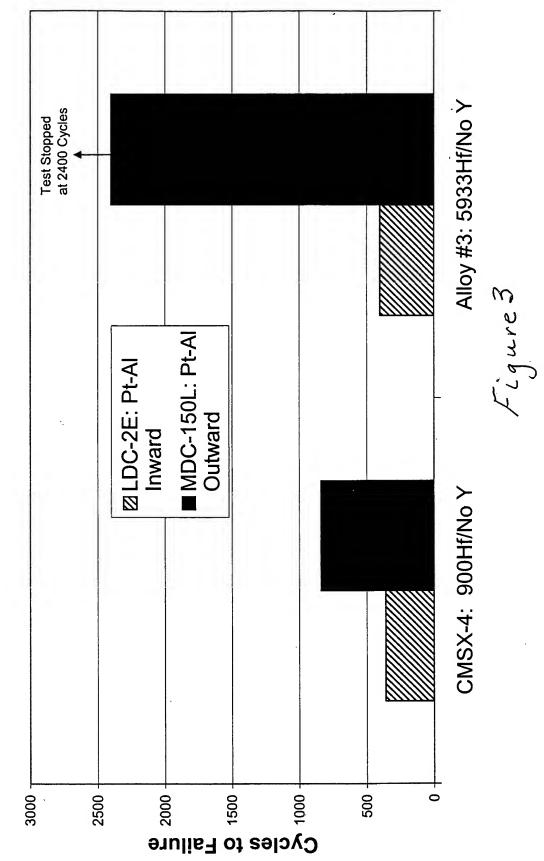
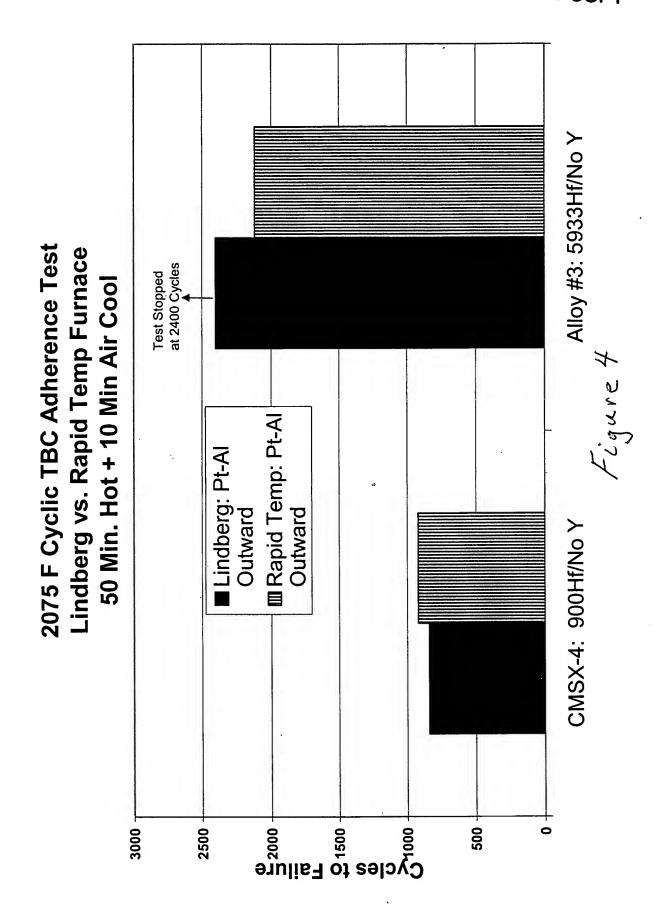


2000 CMSX 4 900Hf/No Y/LDC-2E 50 Min. Hot + 10 Min. Air Cooling 1500 Cycles -a- Alloy #2: 4933Hf/61Y MDC-150L -е- Alloy #1: 3333Hf/60Y MDC-150L → CMSX-4: 900Hf/No Y MDC-150L → CMSX-4: 900Hf/No Y LDC-2E --- Alloy #1: 3333Hf/60Y LDC-2E -▲- Alloy #2: 4933Hf/61Y LDC-2E 1000 200 -14.00 --16.00 -0.00 -12.00 2.00 -2.00

2075F Cyclic Oxidation Test

2075F Cyclic TBC Adherence Test - Lindberg Furnace 50 Min. Hot + 10 Min Air Cool





2075 F Cyclic TBC Adherence Test - Rapid Temp Furnace Alloy 2: 4933Hf/61Y Max Life 10 Min. Ramp + 45 Min. Hot + 8 Min Air Cool min End of test = 2400 cycles 1 Coupon did not fail nein Life Alloy 1: 3333Hf/60Y max Cycles to Failure 2000 2500 200

Coupon

Figure 5